

# इंटरनेट

# मानक

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Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 10365 (1982): Dimensions for packing ring and housing for back cover joint for watch cases [PGD 23: Horology]



“ज्ञान से एक नये भारत का निर्माण”

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“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”



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Indian Standard

(Reaffirmed - 2012)

# DIMENSIONS FOR PACKING RING AND HOUSING FOR BACK COVER JOINT FOR WATCH CASES

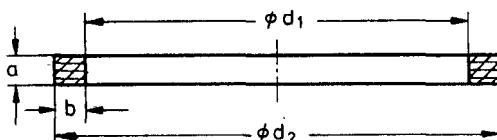
**1. Scope** — Gives the dimensions of packing rings of following types and their relevant dimensions in back cover and bezel for housing.

**Type A** Flat type packing suitable for WR-1 type watch case (see IS : 10361-1983 'Classification of wrist watch cases').

**Type B** O — ring type packing suitable for WR-2 and WR-3 type watch cases (see IS : 10361-1983).

## 2. Dimensions

### 2.1 Type A — Flat Type Packing



All dimensions in millimetres.

$d_1 \begin{smallmatrix} +0.10 \\ 0 \end{smallmatrix}$	$(d - 0.80)$ in steps of 0.50 (see Note)					
$d_2 \begin{smallmatrix} +0.10 \\ 0 \end{smallmatrix}$	$d_1 + 1.5$		$d_1 + 2.0$			
$a \pm 0.05$	0.40		0.50		0.60	
$b$	0.75	1.00	0.75	1.00	0.75	1.00

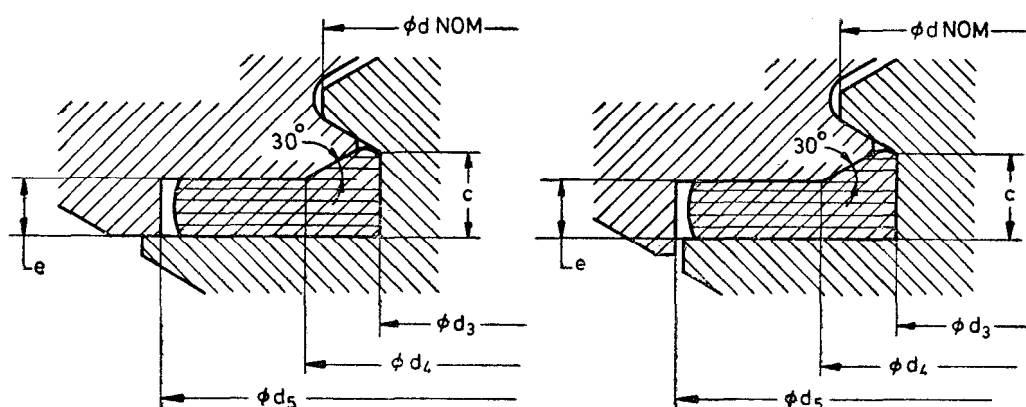
**Note** —  $d$  refers to thread diameter (nominal) as covered in IS : 10362-1982 'Dimensions for threads for back cover and bezel for watch cases'.

Adopted 30 December 1982

© April 1983, ISI

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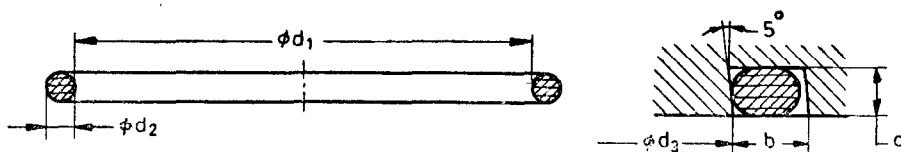
## 2.1.1 Housing



All dimensions in millimetres.

Housing : Type A-2			Housing : Types A-1 and A-2			
For $a \times b$	0.40 × 0.75	0.40 × 1.00	0.50 × 0.75	0.50 × 1.00	0.60 × 0.75	0.60 × 1.00
$d_3 \pm 0.05$	$d - 0.70$					
$d_4$	$d + 0.20$					
$d_5 \pm 0.05$	$d + 1.00$	$d + 1.70$	$d + 1.20$	$d + 2.00$	$d + 1.20$	$d + 2.00$
$c \pm 0.05$	0.40		0.50		0.60	
$e \begin{smallmatrix} 0 \\ -0.04 \end{smallmatrix}$	0.30		0.40		0.40	

## 2.2 Type B — O-Ring Type Packing



O - ring		Housing	
$d_1 \pm 0.10$	$d_2 \pm 0.05$	$d_3 \pm 0.05$	
		Min	Max
15.00 15.50 16.00 16.50 17.00 17.50 18.00 19.00 20.00	0.60 0.80	$d_1 + 0.20$	$d_1 + 1.20$
21.00 22.00 23.00	0.80	$d_1 + 0.30$	$d_1 + 1.30$
24.00 25.00	0.80	$d_1 + 0.40$	$d_1 + 1.40$
26.00 27.00 28.00	0.80 1.00		
29.00 30.00 31.00 32.00 33.00 34.00 35.00 36.00 37.00 38.00	0.80 1.00	$d_1 + 0.50$	$d_1 + 1.50$

Housing		
$d_2$	$a \begin{smallmatrix} 0 \\ -0.06 \end{smallmatrix}$	$b \begin{smallmatrix} +0.06 \\ 0 \end{smallmatrix}$
0.6	0.45	0.80
0.8	0.65	1.00
1.0	0.80	1.20

## 3. Designation

3.1 Flat Type Packing — Shall be designated by the dimensions  $d_1 \times d_2 \times a$ .

3.2 O-Ring Type Packing — Shall be designated by the dimensions  $d_1 \times d_2$ .

4. Material for Packing Ring — Nitrile butadiene rubber with shore hardness of 60 to 80 for Types A-1 and B and above 80 for Type A-2.

## EXPLANATORY NOTE

This standard is one of a series of Indian Standards relating to wrist watch case.

In the preparation of this standard, assistance has been derived from the following:

NIHS 62-02 : 1968 Joints toriques — Logements — Pour étanchéité courante. Normes De L'Industrie Horlogère Suisse.

NIHS 62-04 : 1972 Joints plats — Logements — Pour étanchéité courante. Normes De L'Industrie Horlogère Suisse.